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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Shigeru Sugaya and Hidemasa Yoshida  
Serial No. : 09/782,693  
Filed : February 13, 2001  
For : WIRELESS TRANSMITTING METHOD AND WIRELESS  
Group A.U. : 2681  
Examiner :

I hereby certify that this paper is being deposited  
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1450 Alexandria, VA 22313-1450

Jay H. Maioli  
Reg. No. 27,213

Date  
July 22, 2003

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**Technology Center 2600**

July 22, 2003  
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Information Disclosure Statement Under CFR §1.97(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure set forth  
in 37 CFR § 1.53 and in keeping with the guidelines of 37 CFR § 1.98,  
Applicant hereby submits information thought to be relevant to the  
examination of the above-identified application. Also submitted  
herewith is a completed form PTO-1449.

This information came to light during the examination of a  
counterpart application in the European Patent Office in a search  
report dated June 20, 2003. Therefore, the undersigned hereby

certifies that this information is being submitted within three months of the date on which it came to light.

European Patent Application Publication No. 1 067 740 (Pitcho et al.) apparently relates to a method for transmitting variable sized data packets from an upper layer of a stack of communication protocol layers to a lower layer, intended to manage fixed size packets, by forming segmentation and reassembly (SAR) packets, which contain a delineating header added to the header of one variable sized packet and a payload packet from the upper layer. '740 apparently further relates to a packet intended to be managed by a layer between an upper layer of variable sized packets and a lower layer of fixed size packets. '740 apparently also relates to a method for recovering a variable sized packet from a flow of such packets.

WO Patent Application Publication No. 00/74344 (Chang, H.) apparently relates to a method for transmitting data in a mobile communications system by segmenting a data stream into consecutive blocks of variable length, each said consecutive block being segmented into a plurality of sub-consecutive blocks having a byte length; attaching, at each head of consecutive frames of the data stream, a header including a first set of bits indicating a corresponding consecutive block and a second set of bits indicating a corresponding sub-block; and transmitting the header-attached consecutive frames.

European Patent Application Publication No. 1 032 165 (Fichou et al.) apparently relates to a method of sending data frames from a sending unit to a receiving unit in a data transmission unit

comprising a backbone wherein long Maximum Transmission Units (MTU's) are transmitted over high-speed links between an ingress node of the backbone, connected to said sending unit by a first access link, and an egress node, connected to the receiving node by a second access link, with one of these access links being low speed and therefore requiring short MTU's. The ingress node assembles consecutive segmented data frames into long MTU's and the egress node "de-assembles" the data frames into short MTU's.

European Patent Application Publication No. 0 855 820 (Galand et al.) apparently relates to a method and system for asynchronously transmitting fixed or variable length data packets by splitting them into segments including both a segment number and a packet number, and dispatching said segments on priority basis, determined by "global link availability control word indications, which control word is dynamically adjusted according to specific predefined conditions."

European Patent Application Publication No. 0 932 270 (Sugaya) apparently relates to a method of transmission of data and control data according to a predetermined packet arrangement and in which an error detecting code or error correcting code is added to the data or control data.

European Patent Application Publication No. 0 497 452 (Tsuda) apparently relates to an information transmission system comprising a base station that divides a digital information signal into packets of predetermined size and that inserts a packet identification signal indicating the total number of consecutive packets of the same information type and a packet number specifying

an associated packet. The system also includes a relay station that stores information on and diagnoses errors and returns the diagnosis to the base station. The base station may also insert an error correction code which is used to correct the identification code before the packets.

The article "Congestion Control in IP/TCP Internetworks" by John Nagle, Computer Communication Review, 1995 (25):61-65, apparently relates to the idea of inhibiting the sending of new TCP data segments when outgoing data arrives from the user if any previously transmitted data on the connection remains unacknowledged. The article also apparently relates to the idea of sending an ICMP Source Quench message well before buffer space is exhausted.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if a fee is required for this submission, the Commissioner is authorized to charge the requisite fee to Deposit Account No. 03-3125.

Respectfully submitted,  
COOPER & DUNHAM LLP



Jay H. Maioli  
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JHM/JAW  
Encl.



Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

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Serial No.

09/782,693

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

Applicant

Sugaya and Yoshida

Filing Date

2/13/01

Group

2681

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AG	1 0 6 7 7 4 0	1/10/01	Europe			x
	AH	0 0 7 4 3 4 4	12/7/00	WO			x
	AI	1 0 3 2 1 6 5	8/30/00	Europe			x
	AJ	0 8 5 5 8 2 0	7/29/98	Europe			x
	AK	0 9 3 2 2 7 0	7/28/99	Europe			x
	AL	0 4 9 7 4 5 2	8/5/92	Europe			x
	AM						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AN	Nagle, "Congestion Control in IP/TCP Internetworks", 8282 Computer Communications Review, 1995 (25): 61-65.
	AO	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: raw line through citation if not in conformance and not considered. Include copy of this from with ext communication to applicant.